

Fig. 1

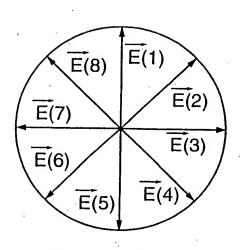


Fig. 1A

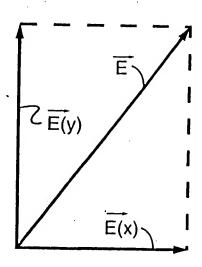
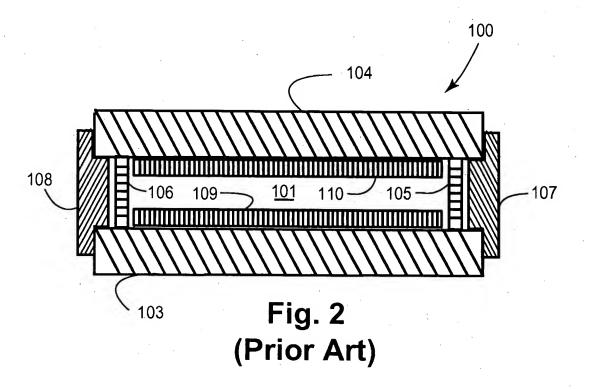


Fig. 1B



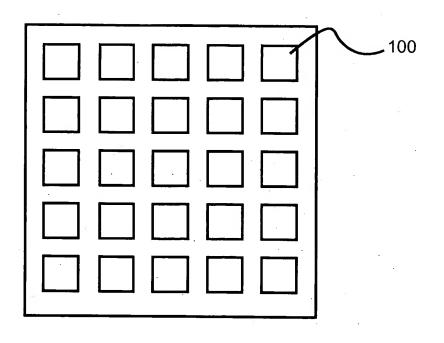
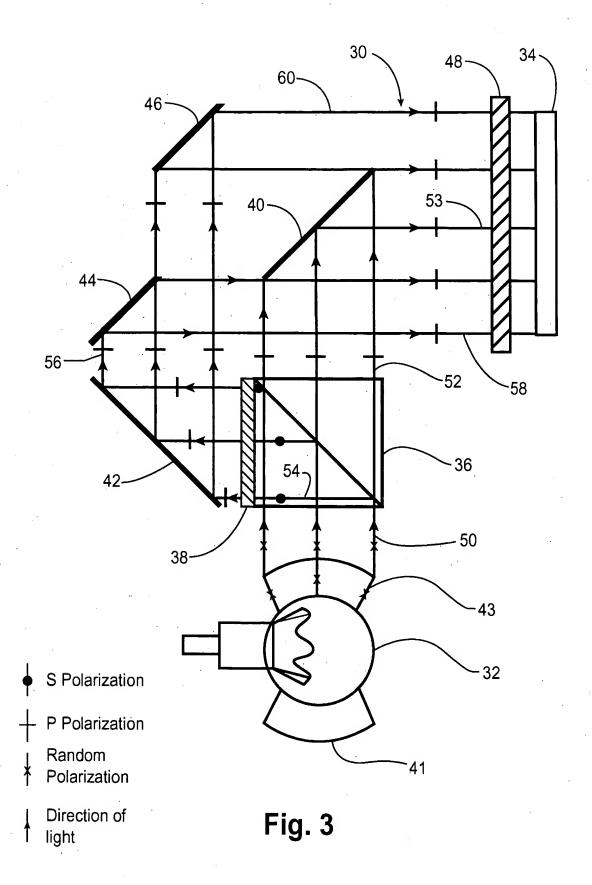
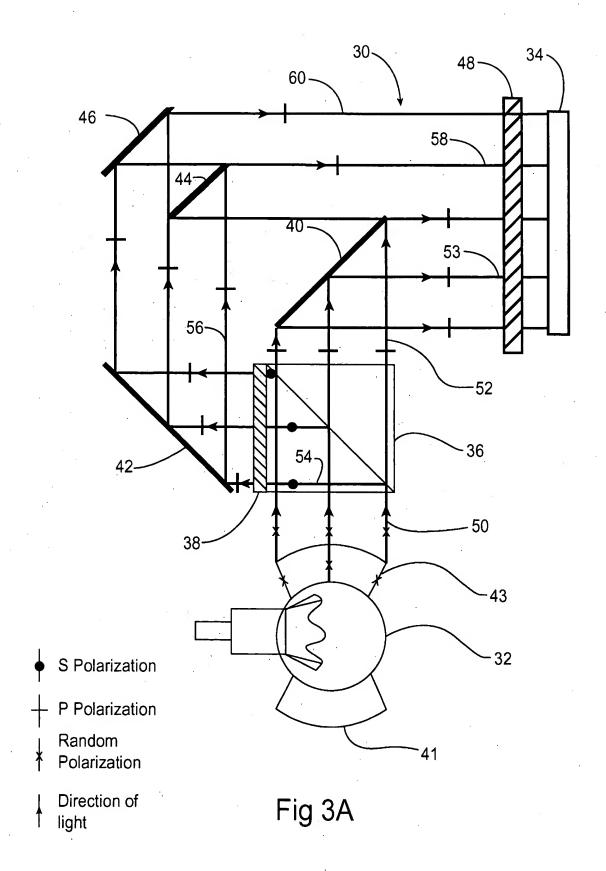
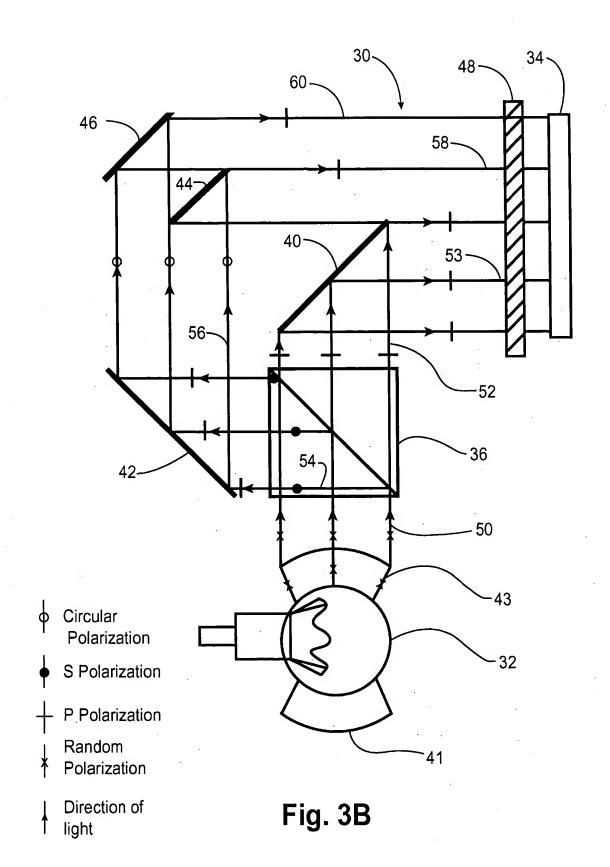
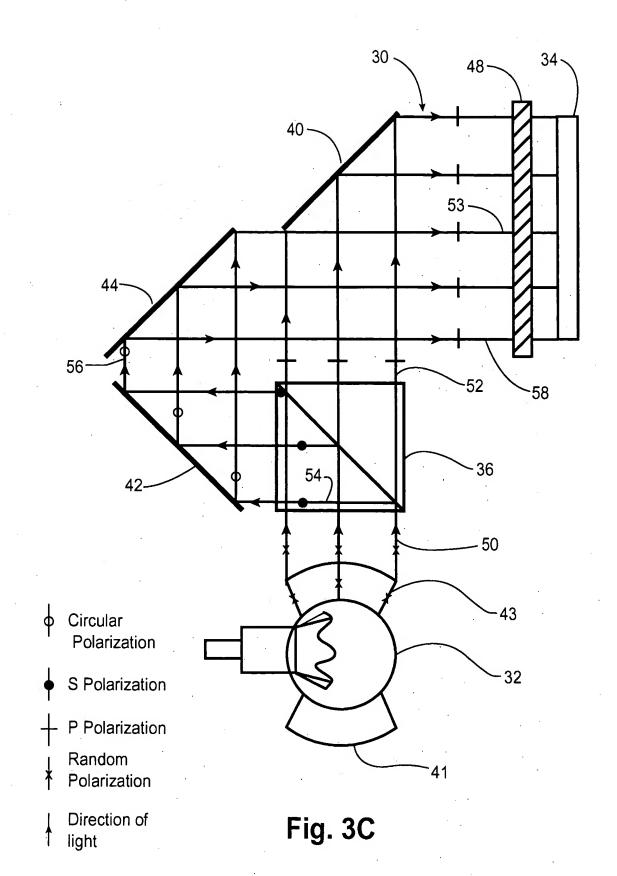


Fig. 2A









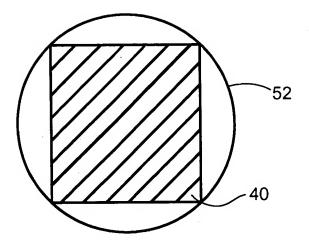
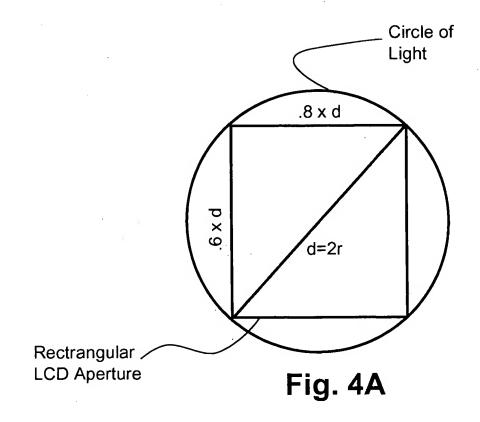


Fig. 4



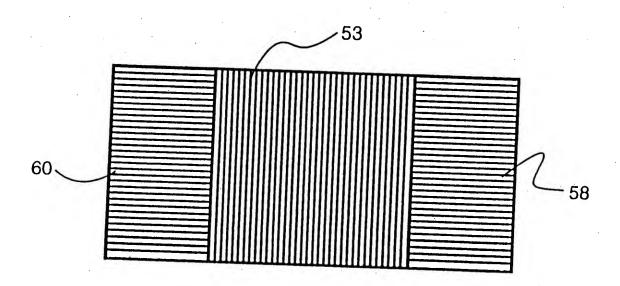
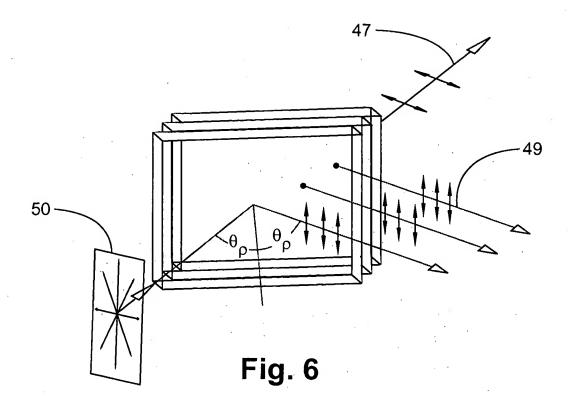


Fig. 5



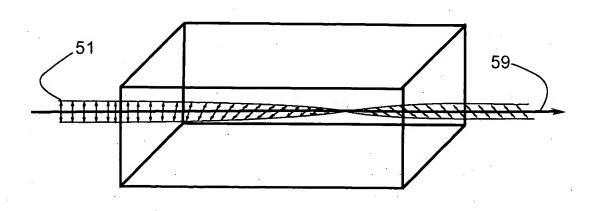


Fig. 7

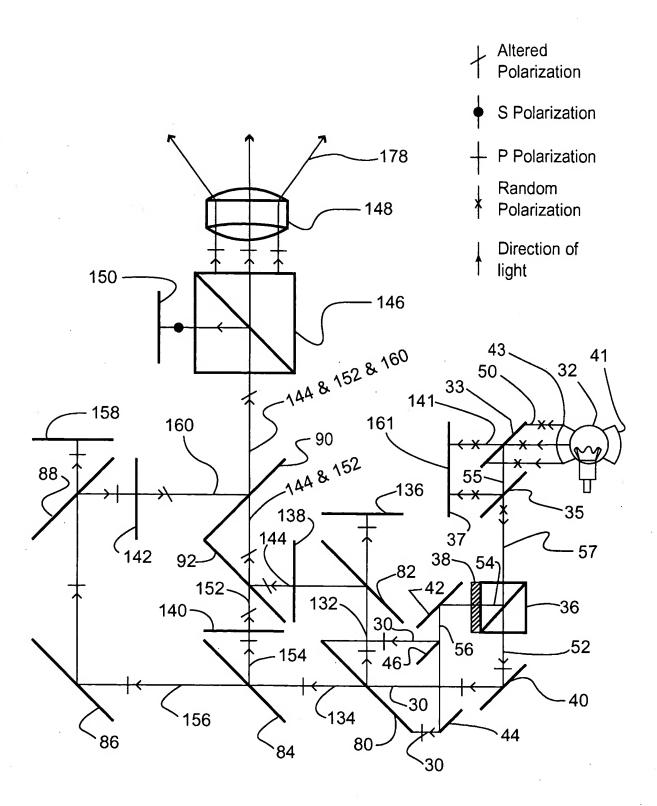
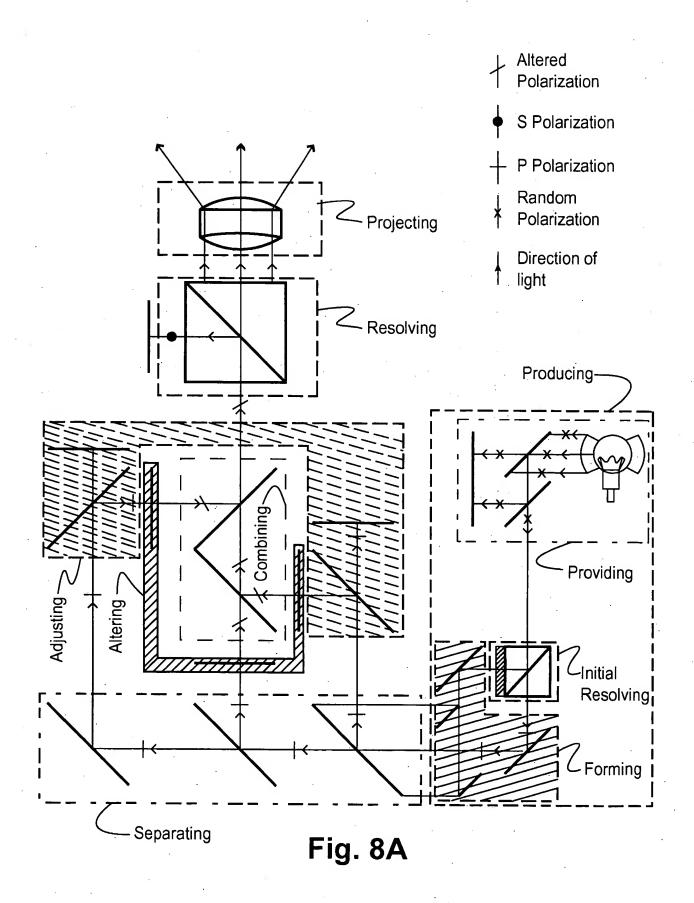


Fig. 8



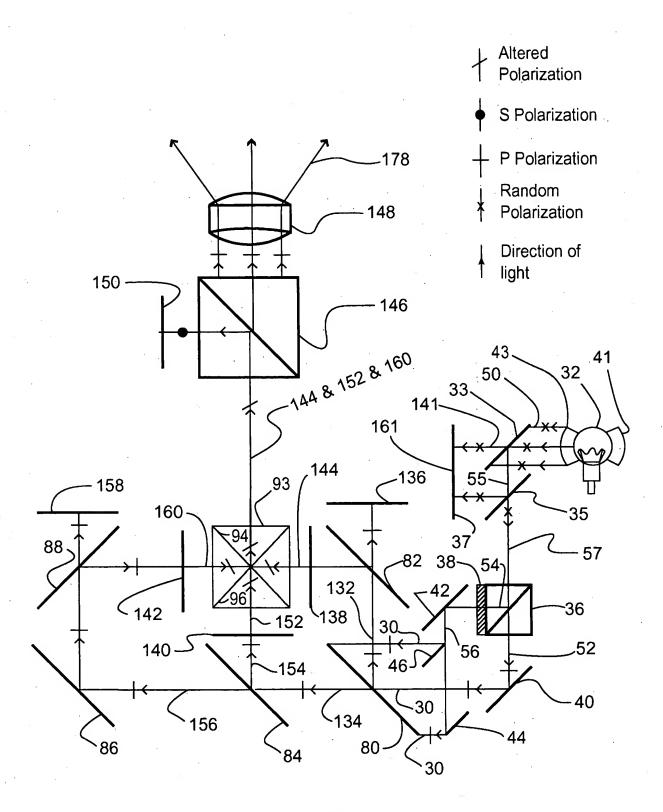
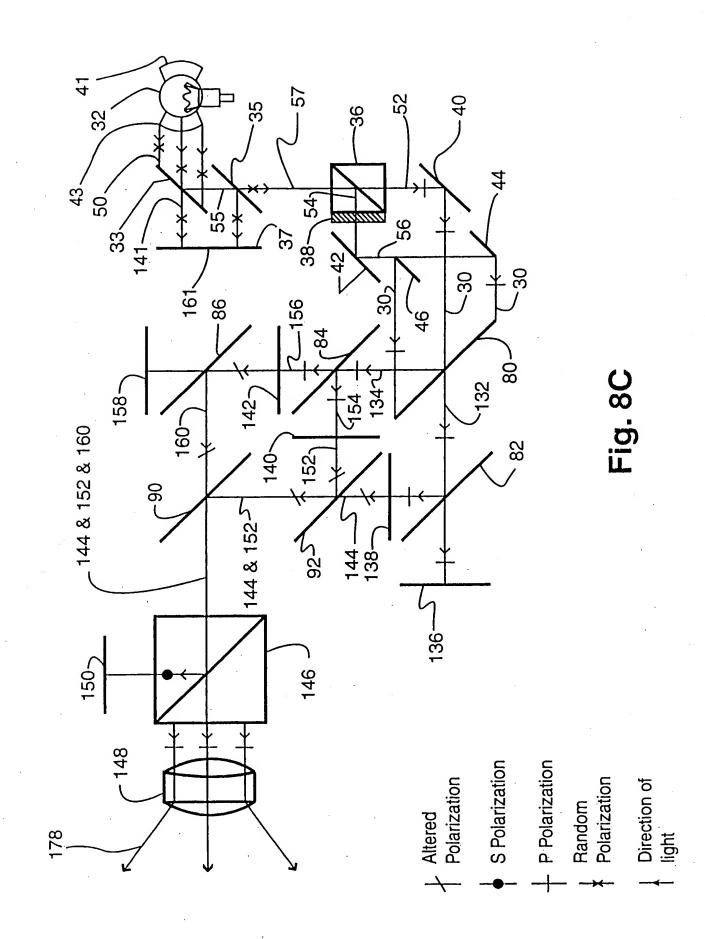
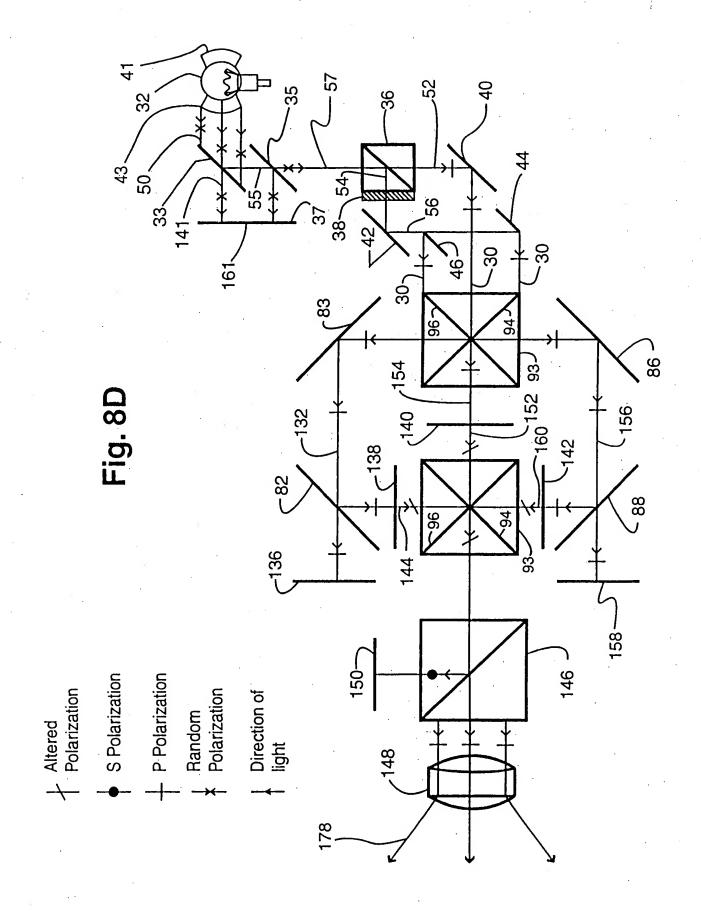


Fig. 8B





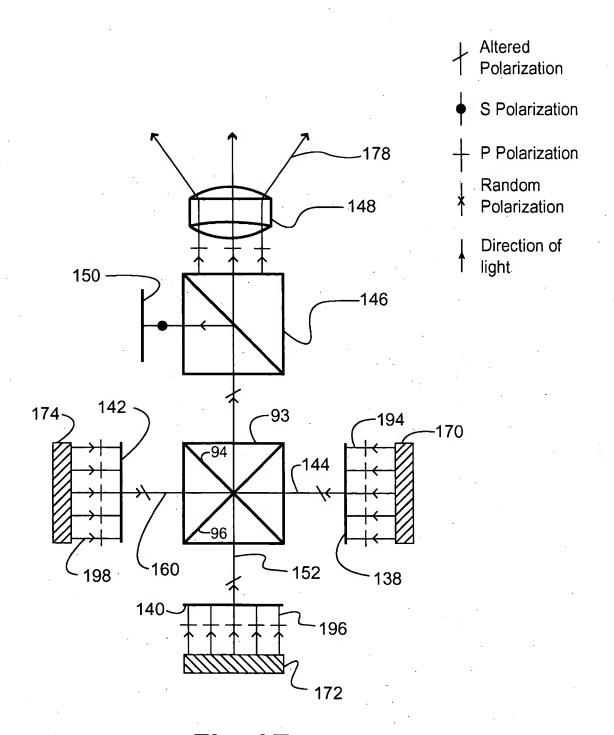


Fig. 8E

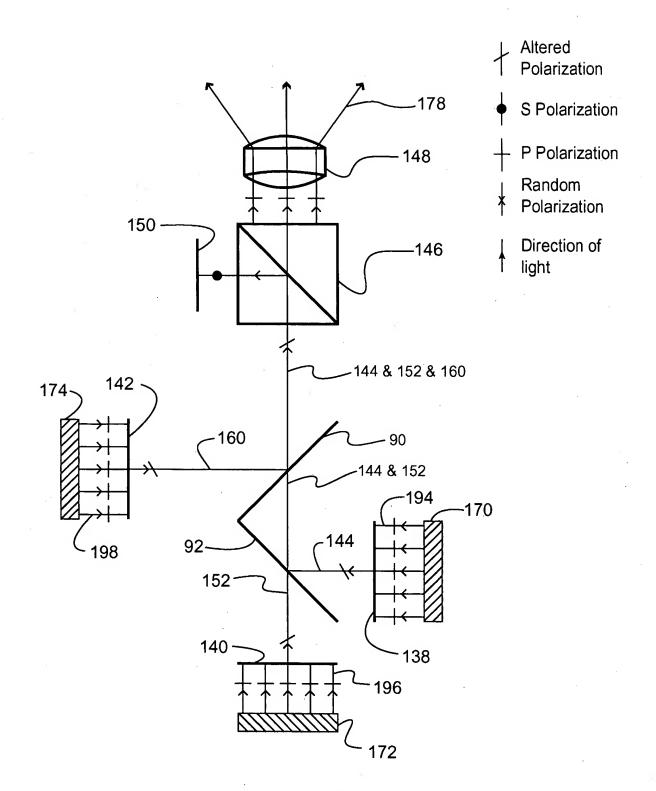
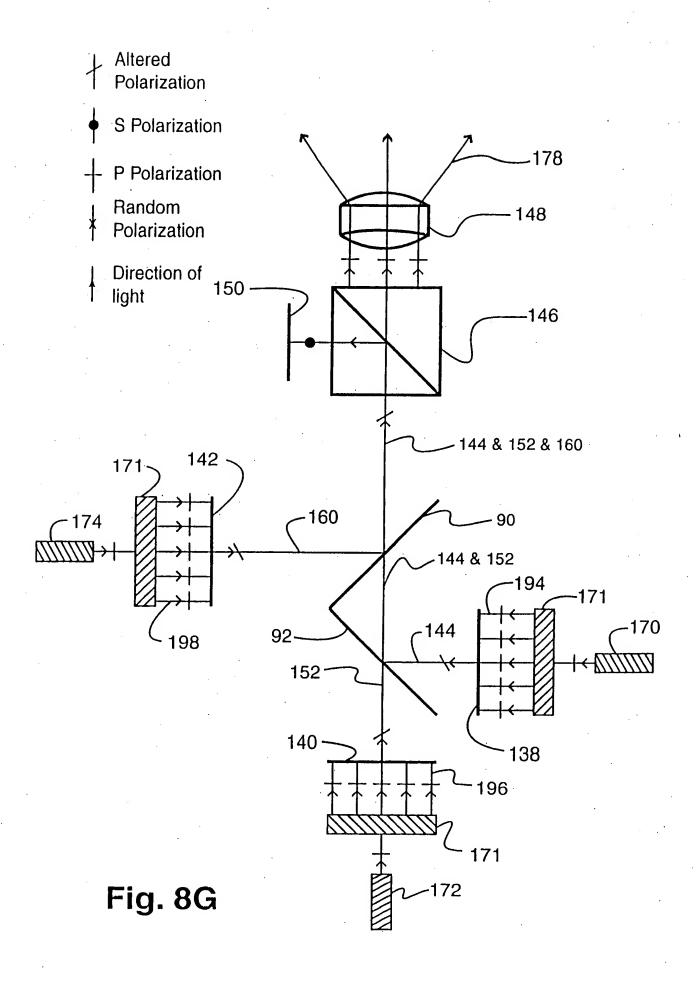


Fig. 8F



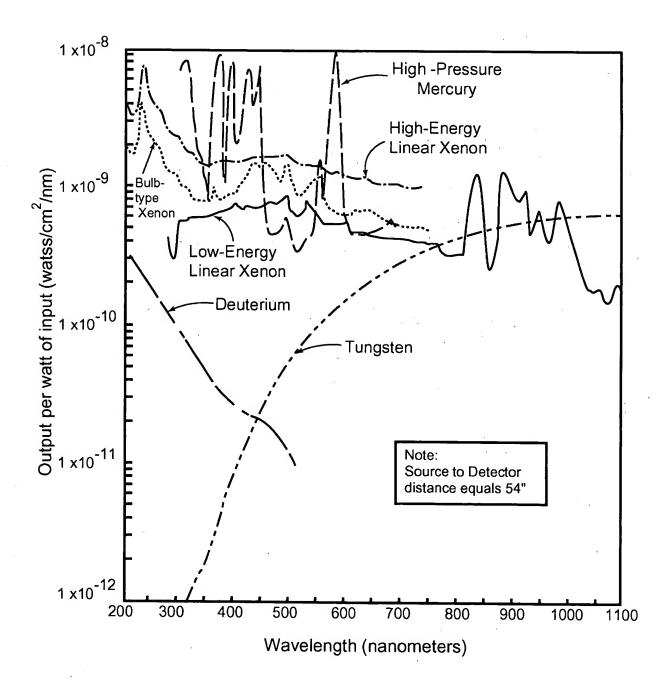


Fig. 9

SOURCE	LUMENS	APPARENT	SOURCE	AVERAGE
TYPE	/ WATT (1 PW)	COLORTEMP	SIZE OR	LUMINANCE
NATIDAL (observed from cost	L	(°K)	TYPE	(cd/mm2)
NATURAL (observed from eart Sun	n) .	5900K		1600
Moon		. 350010	_	0.0025
Clear Sky		12,000 to 25,000K		0.008
Overcast Sky		6500K		0.002
Lightning Flash				8x10 ⁴
COMBUSTION				
Candle flame		2000K	5x5mm	0.01
Kerosene Flame			8x8mm	0.012
Natural Gas Flame			12x12mm	0.004
Acetylene Flame			4x4mm	0.11
Photoflash Lamp		3800K	varies	160 to 400
NUCLEAR				
Atomic Fission Bomb		·	30 dia	2x10 ⁶
Self-Luminous Points				$2 \text{ or } 3x10^{-7}$
				2010220
CARBON ARC				
Flame Flame	18	3800K	5x5mm	180
High Intensity	. 22	5500-6500K	8x8mm	500 to 1500
ENGLOSED ADO				
ENCLOSED ARC				
Compact high Pressure	20	000017	0.05.00	1500
Mercury (100W) Mercury (200W)	50	8000K 7000K	0.25x0.2mm 0.6x2.2mm	1700
Mercury-Xenon (100		6000 K	1.5x4.2mm	400 350
Xenon(150W)	19	6000K	0.5x1.9mm	180
Xenon(1600W)	37.5	6000K	1.4x4.0mm	800
Xenon(20,000W)	57	6000K	3x11mm	4800
Metal Halide		******		1000
HMI(1200W)	92	5600K	2.5x13mm	120
CSI (1000W)	80	4200K	5x9mm	80
CID (1000W)	62	5500K	5x9mm	65
MARC 300	45	5000K	1x3mm	400
Zirconium	2.5 .	3200K	1.5mm dia	46
Argon	17	7000 K	3x10mm	1400
High Intensity Discharge	•			
Clear Mercury (400V		6000K	20x68mm	1.5
Metal Halide (400W)	85 .	4500K	20x40mm	4.2
High Pressure	105	210012	0.0.07	
Sodium (400W) Low Pressure	125	2100K	8.8x87mm	6.5
Fluorescent (cool white)				
430 ma	80	4300K	T12 Bulb	0.008
800 ma	82	4300K	T12 Bulb	0.011
1500 ma	70	4300K	T12 Bulb	0.017
Sodium	150	1700K		.1
ELECTROLUMINESCENT				_
Green @ 60 Hertz Green	·			$3x10^{-5}$
Green @ 400 Hertz Gree	en <u>·</u>			7x10 ⁻⁵
W.G. W.B.B				
INCANDESCENT	_			
Carbon Filament	3	2000K	C6 or C8	0.5
Tantalum filament	6	2200K	C6 or C8	. 0.7
Tungsten Filament	10	260017	C6 - c C0	• • •
Vacuum Lamp Gas Filled Lamps	10	2600K	C6 or C8	2.0
Gas Flued Lamps (includes tungsten	20 26	3000K 3200K	CC6 or CC8	12
halogen lamps)	33	4300K	CC6 or CC8 CC6 or CC8	24 36
natogen tamps)	33	4300K	CCo or CCs	30

Fig. 9A

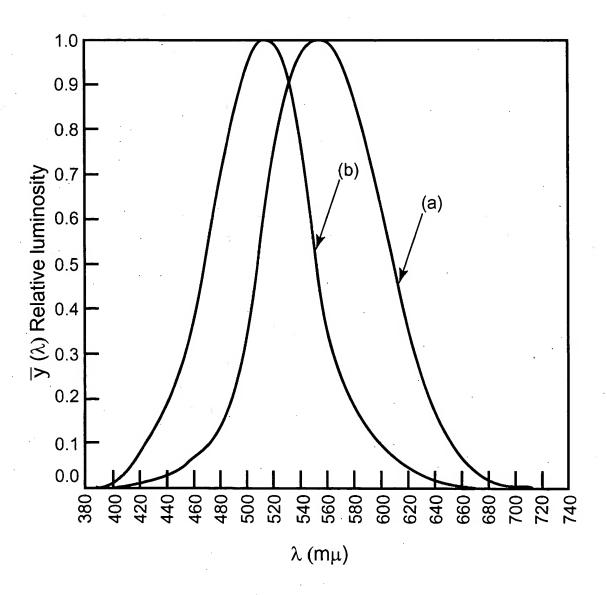


Fig. 10

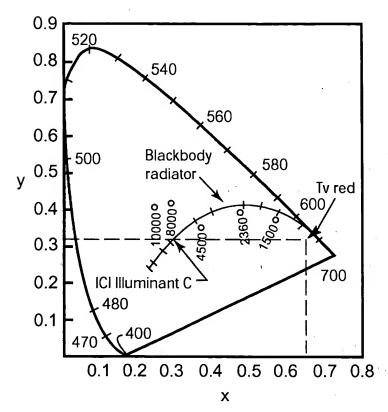


Fig. 10A

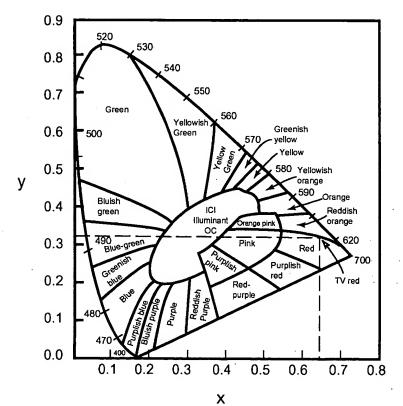


Fig. 10B

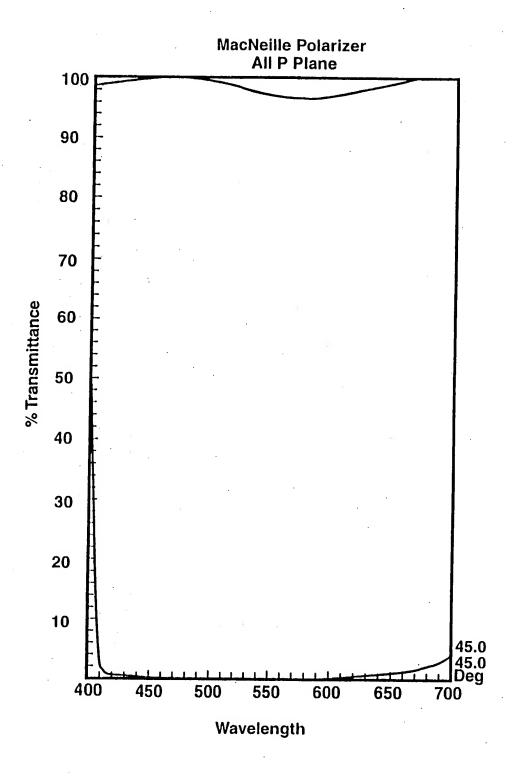


Fig. 11

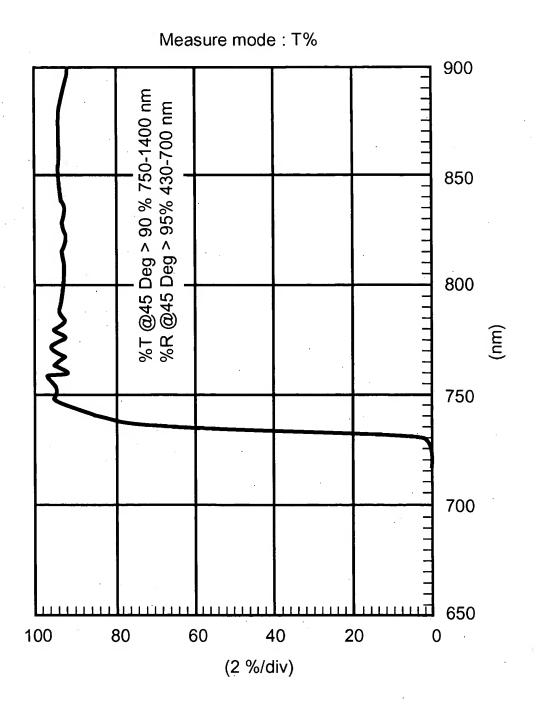


Fig. 12

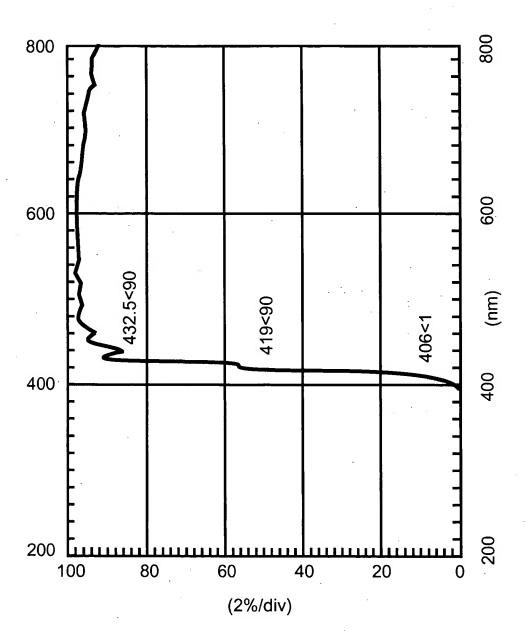


Fig. 13

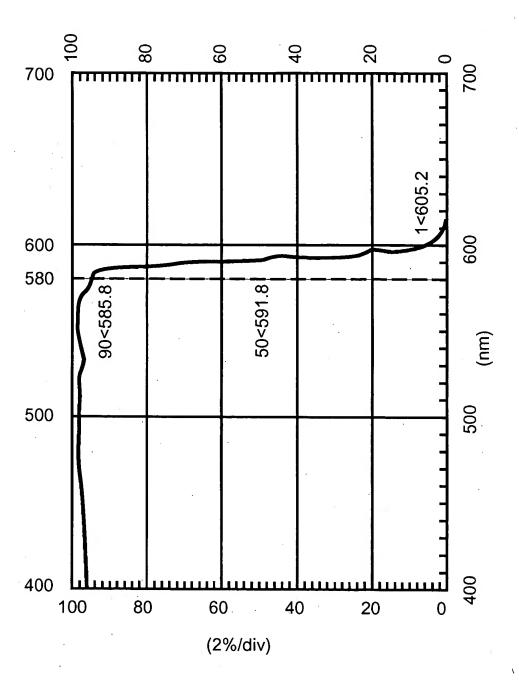


Fig. 14

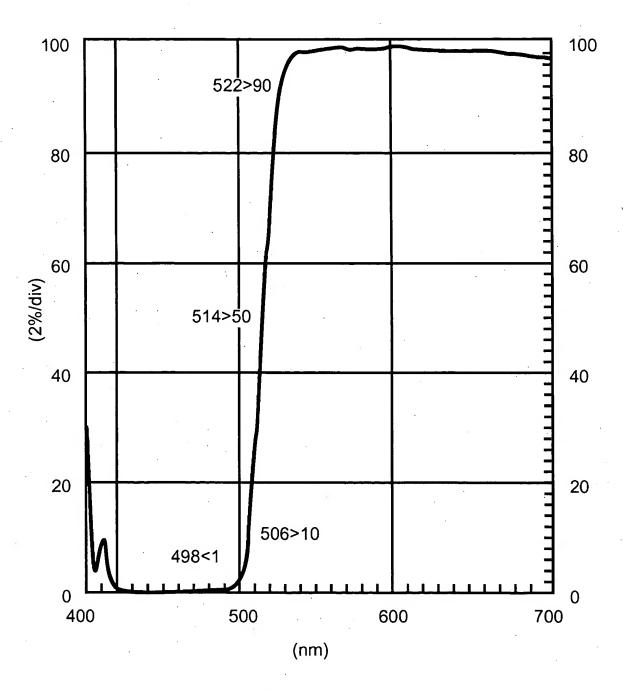


Fig. 15

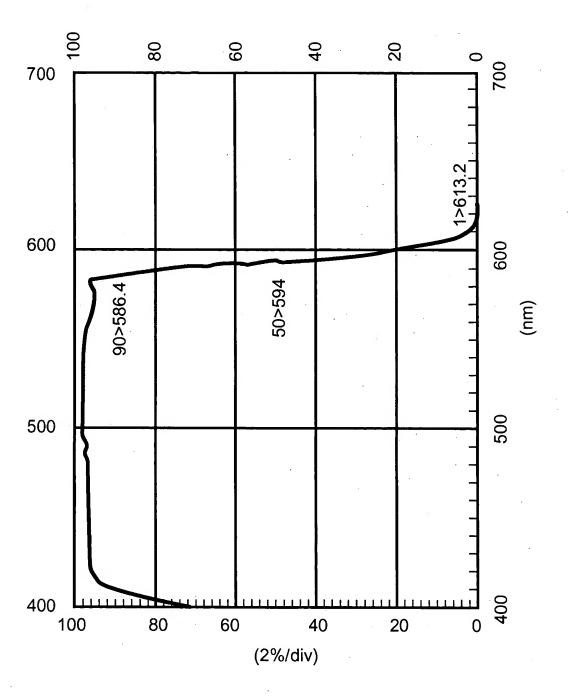


Fig. 16

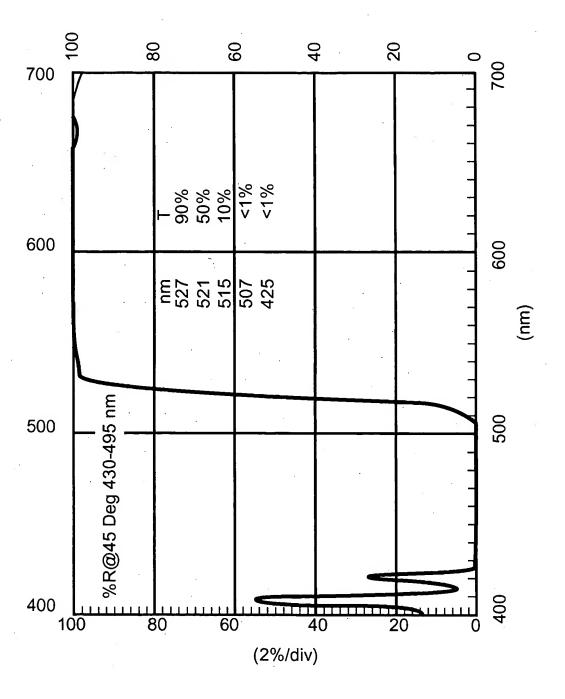


Fig. 17

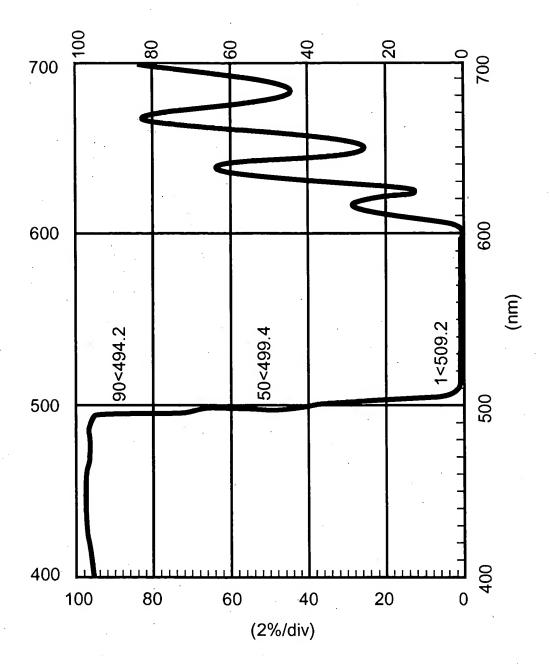


Fig. 18

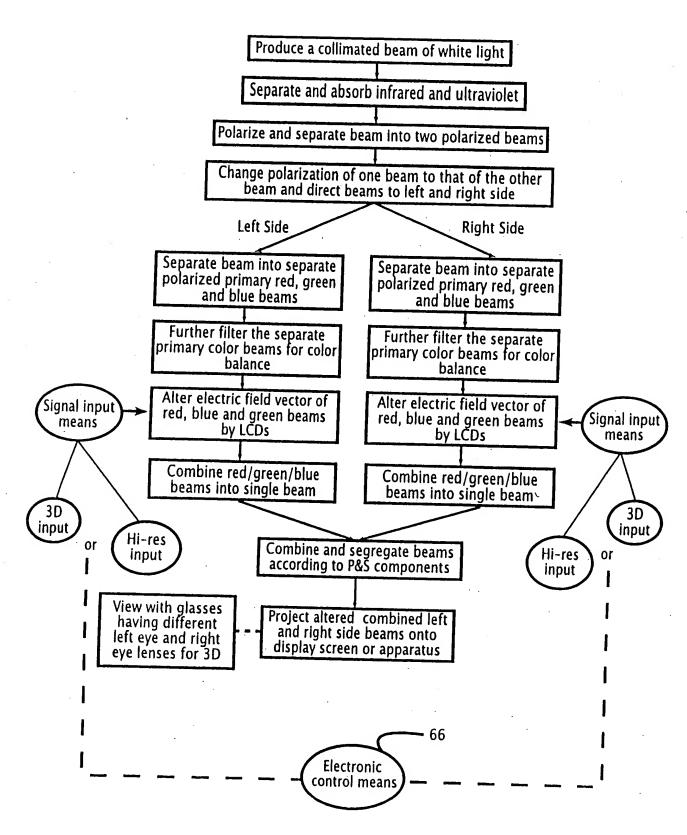


Fig. 19

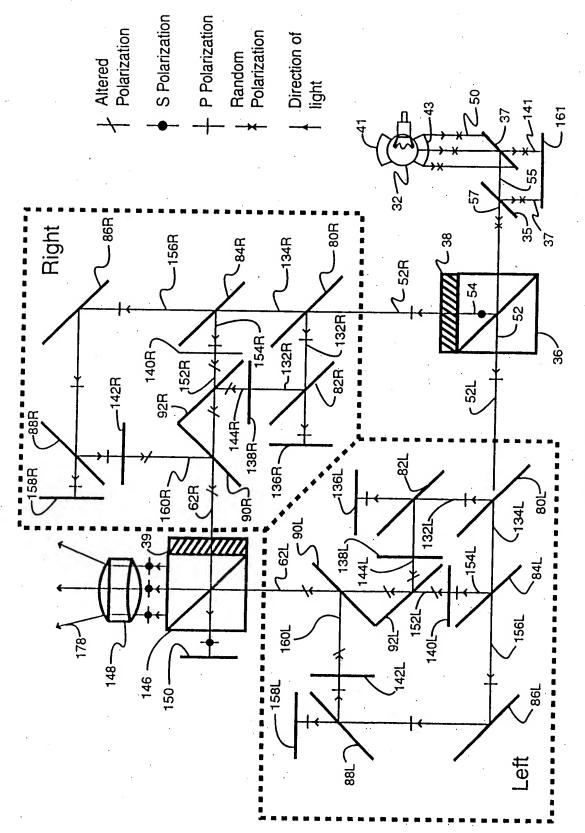


Fig. 20

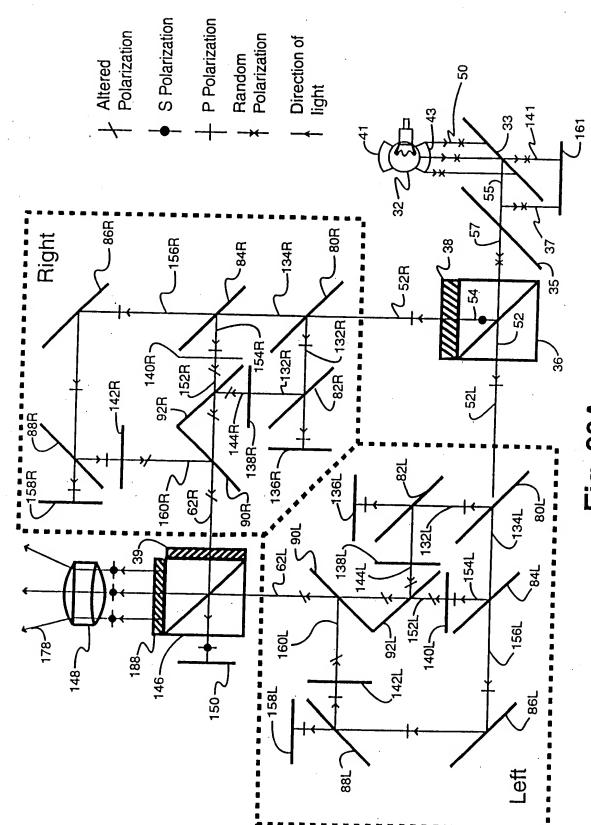
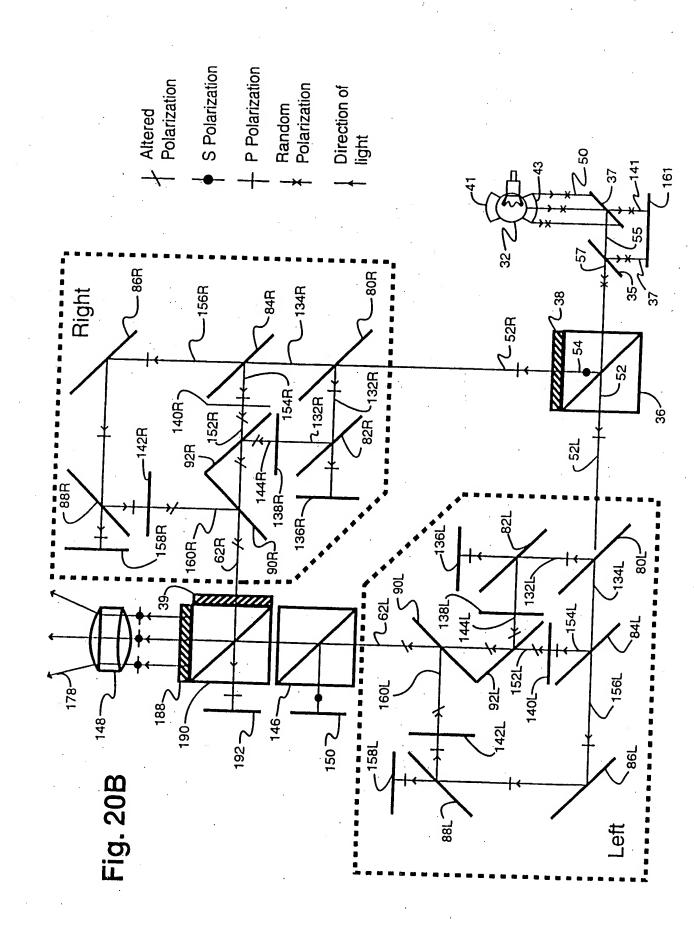
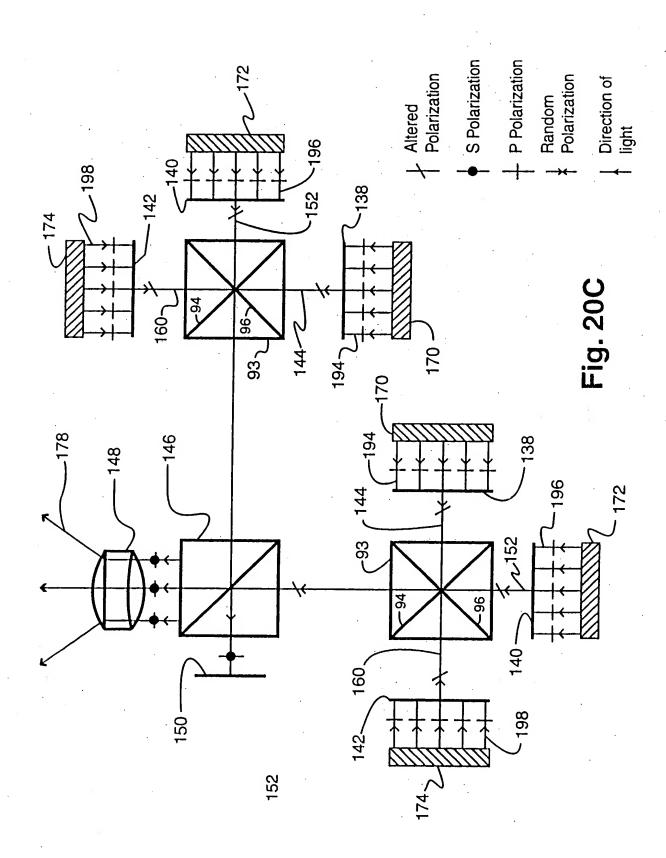
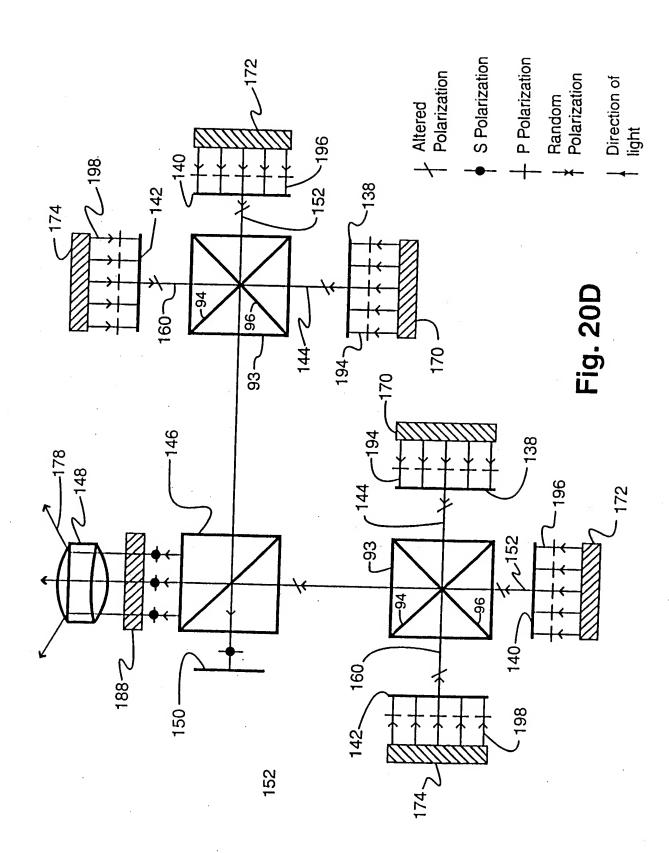


Fig. 20A







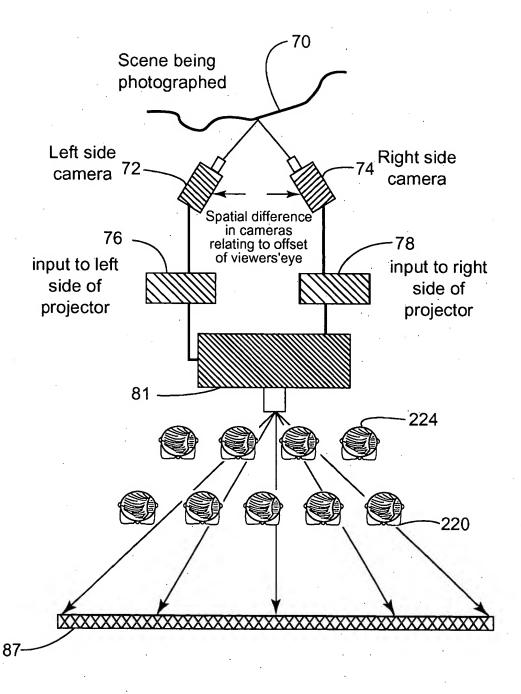


Fig. 21

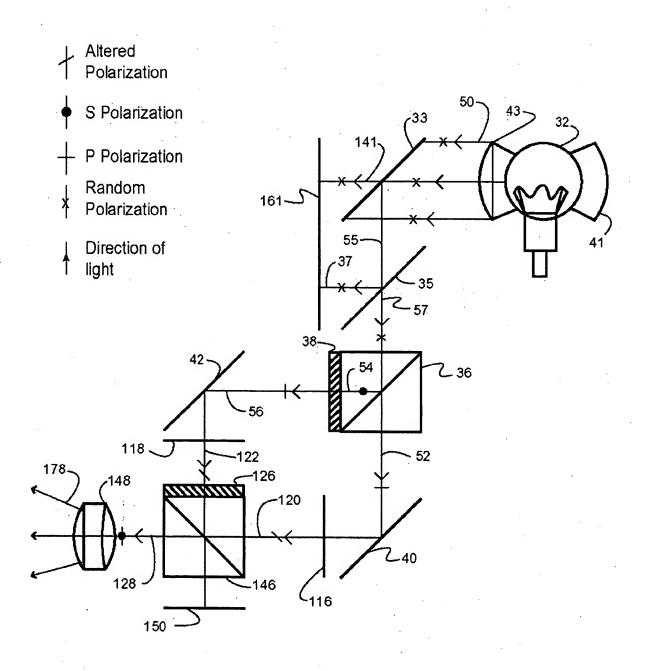


Fig. 22

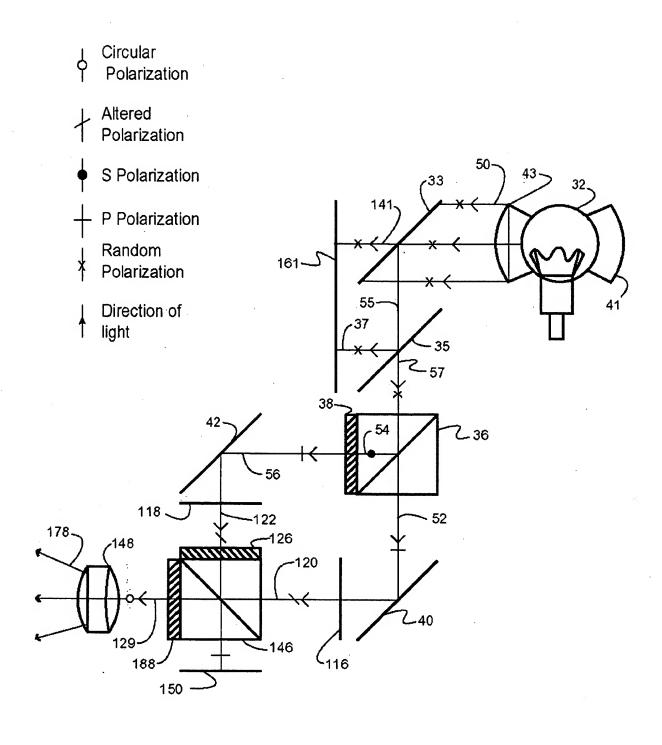


Fig. 22A

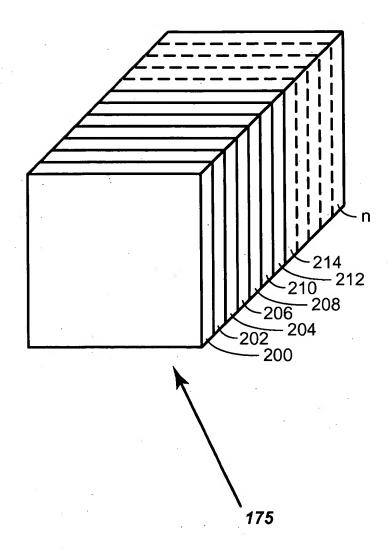


Fig. 23

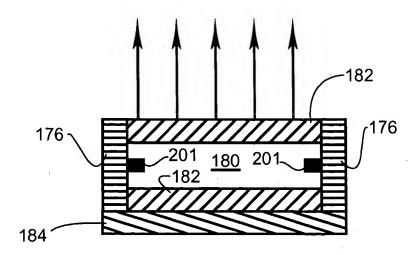
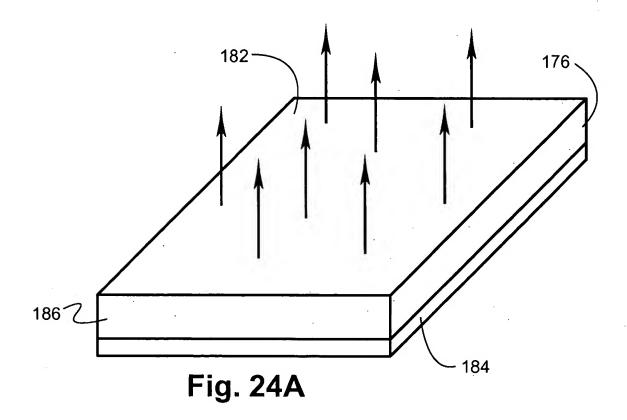


Fig. 24



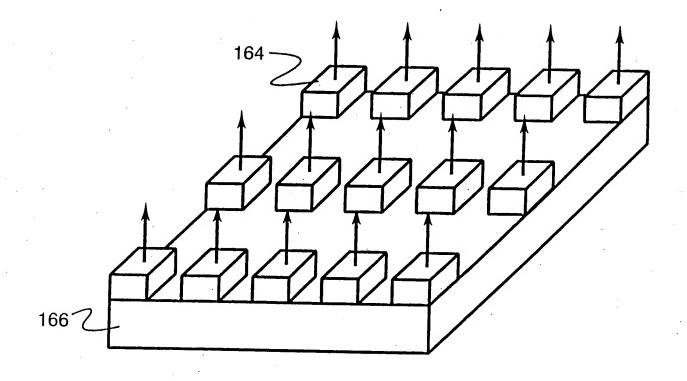


Fig. 25

PART NO.	FIG NO.	TYPE OF MIRROR	SYSTEM USEAGE	>NM TRANS -MISSION	<nm TRANS -MISSION</nm 	>NM REFLEC- TION	<nm REFLEC- TION</nm
33	12	CUTOFF	IR FILTER	700			700
35		CUTOFF	UV FILTER	430			430
40		BROADBAND	MAIN BEAM REFLECTOR			400	
42		BROADBAND	MAIN BEAM REFLECTOR			400	
44		BROADBAND	MAIN BEAM REFLECTOR			400	
46		BROADBAND	MAIN BEAM REFLECTOR			400	
80	14	BANDPASS	RED SPLITTER		585	595	
84	18	BANDPASS	GREEN SPLITTER		490	500	
86	15	CUTOFF	BLUE REFLECTOR	495			490
82	14	BANDPASS	RED REFLECTOR TUNER	·	590	605	
92	16	BANDPASS	RED-GREEN COMBINER		585	615	
90	17	CUTOFF	RED -GREEN/BLUE COMBINER	525			500
88	15	CUTOFF	BLUE REFLECTOR TUNER	490			485

Fig. 26

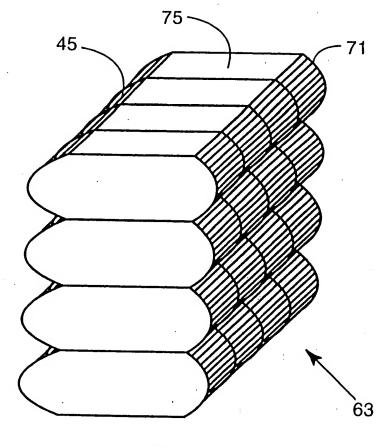


Fig. 27

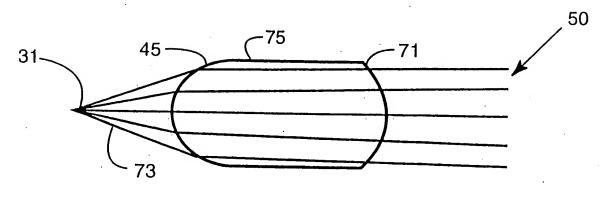


Fig. 27A

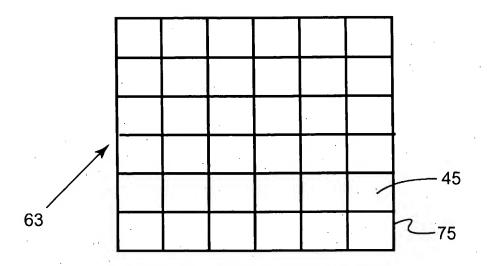


Fig. 27B

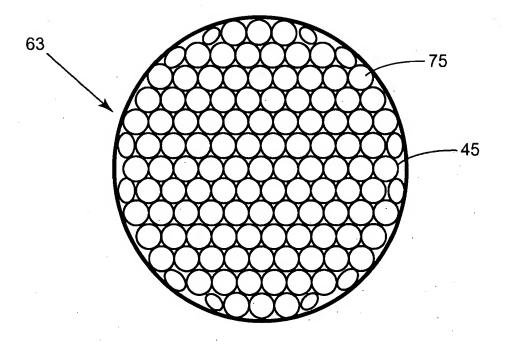


Fig. 27C

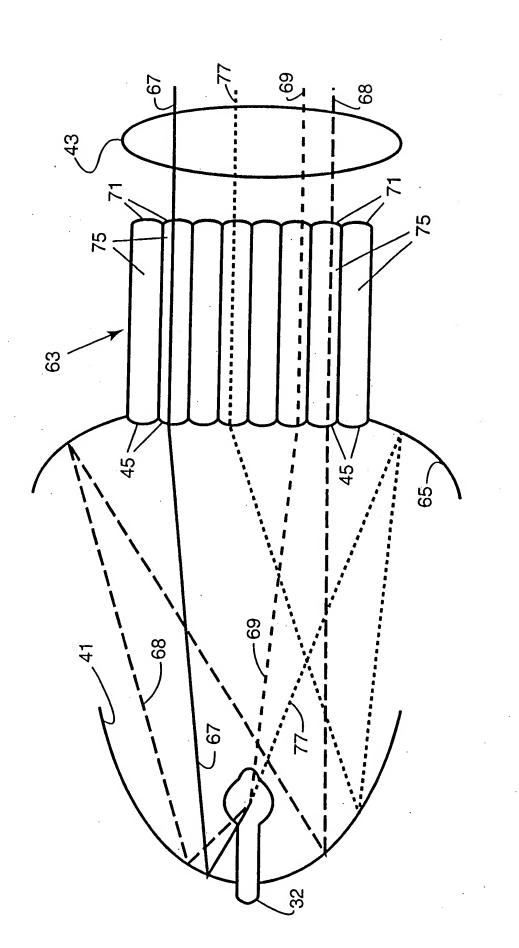


Fig. 28